

Summary of Monthly Normals
1991-2020

Current Location: Elev: 3170 ft. Lat: 39.3925° N Lon: 101.0689° W
Station: COLBY 1SW, KS US USC00141699
Generated on 04/27/2024

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	43.0	15.1	29.0	5.1	3.6	4.0	0.1	0.0	0.0	0.0	0.0	0.0	804.5	866.4	959.4	1114.4	0.0	0.0	11.3	7.9	31.0	2.6
02	45.7	17.4	31.6	7.0	4.3	5.4	0.8	0.3	0.0	0.0	0.0	0.0	657.1	712.6	796.4	936.5	0.0	0.0	12.3	5.7	27.2	2.1
03	56.2	25.5	40.8	5.2	3.5	4.0	11.3	6.6	2.7	0.3	0.0	0.0	450.1	507.4	596.5	749.0	0.0	0.1	21.0	2.0	24.6	0.5
04	64.7	34.4	49.5	3.6	2.9	2.9	50.5	33.8	17.0	3.7	0.6	0.2	213.9	257.2	330.4	467.2	0.0	0.4	25.4	0.3	12.6	0.0
05	74.3	45.9	60.1	4.2	2.4	3.0	214.4	172.9	119.0	52.3	16.8	9.6	56.2	76.7	115.8	204.2	0.1	3.0	30.2	0.0	1.8	0.0
06	86.4	57.2	71.8	3.8	2.6	3.0	506.2	447.9	362.5	230.7	121.8	87.0	2.5	4.3	8.8	26.8	2.0	12.2	29.9	0.0	0.0	0.0
07	91.0	62.3	76.7	3.1	2.3	2.5	670.9	608.9	516.2	364.1	220.5	168.7	0.0	0.1	0.3	3.1	4.5	18.7	31.0	0.0	0.0	0.0
08	88.4	59.8	74.1	3.3	2.0	2.4	592.1	530.3	438.4	289.4	155.4	110.7	0.1	0.4	1.4	7.4	1.7	15.0	31.0	0.0	0.0	0.0
09	81.3	50.3	65.8	3.6	3.2	3.1	340.9	289.5	217.6	118.6	48.9	30.0	17.0	25.7	43.8	94.7	0.4	7.5	29.7	0.0	0.4	0.0
10	68.3	36.2	52.2	4.2	2.6	3.0	85.1	61.9	34.5	9.9	2.3	1.0	170.2	209.0	274.7	405.2	0.0	1.2	28.0	0.4	10.2	0.0
11	54.3	24.7	39.5	5.9	3.2	4.1	6.0	3.2	1.0	0.1	0.0	0.0	471.0	528.2	615.9	765.1	0.0	0.0	19.1	2.2	25.2	0.2
12	44.1	16.4	30.2	4.3	3.3	3.3	0.1	0.0	0.0	0.0	0.0	0.0	767.1	828.9	922.0	1077.1	0.0	0.0	11.1	6.2	30.7	1.9
Summary	66.5	37.1	51.8	4.4	3.0	3.4	2478	2155	1709	1069	566	407	3610	4017	4665	5851	8.7	58.1	280.0	24.7	163.7	7.3

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Precipitation (in.)								
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount		
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels		
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75
01	0.41	3.0	1.0	0.2	0.1	0.11	0.21	0.55
02	0.56	4.1	1.5	0.2	0.0	0.20	0.39	0.74
03	0.92	4.9	2.4	0.6	0.1	0.34	0.76	1.50
04	1.97	6.8	4.1	1.1	0.4	0.66	1.78	2.68
05	2.92	10.3	5.4	1.8	0.8	1.31	2.32	3.97
06	2.62	8.6	5.5	1.8	0.4	1.50	2.68	3.27
07	3.81	9.3	6.2	2.6	1.2	2.55	3.33	4.57
08	3.04	8.3	4.9	2.1	0.8	1.43	2.69	3.44
09	1.44	5.5	2.9	1.0	0.3	0.67	1.04	2.08
10	1.56	5.8	3.3	0.9	0.3	0.46	1.08	2.76
11	0.63	3.7	1.6	0.4	0.1	0.11	0.32	0.92
12	0.51	3.2	1.2	0.2	0.0	0.08	0.36	0.67
Summary	20.39	73.5	40.0	12.9	4.5	9.42	16.96	27.15

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	5.10	2.7	1.4	0.6	0.3	0.0	7.9	4.4	2.8	0.6	2.00	4.00	6.40
02	5.80	3.3	1.7	0.7	0.2	0.0	8.6	5.0	2.4	0.2	1.50	5.40	7.80
03	4.20	2.1	1.3	0.4	0.2	0.1	2.9	1.2	0.6	0.1	0.90	1.90	4.40
04	2.20	1.2	0.7	0.3	0.1	0.0	1.0	0.3	0.1	0.0	0.00	1.00	3.10
05	0.70	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	1.60	0.7	0.4	0.2	0.1	0.0	0.8	0.4	0.2	0.1	0.00	0.00	1.80
11	3.50	1.9	1.0	0.4	0.1	0.0	3.1	1.3	0.6	0.1	0.10	1.50	6.90
12	3.90	2.6	1.5	0.5	0.1	0.0	7.0	2.9	1.0	0.1	0.80	1.90	5.60
Summary	27.2	14.6	8.1	3.1	1.1	0.1	31.4	15.6	7.7	1.2	5.3	15.7	36.0

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	20.2	37.2	153.2	315.9	624.2	953.8	1136.0	1057.0	774.1	401.1	120.6	23.4
45	4.5	14.0	79.5	201.6	474.5	803.9	981.0	902.0	625.8	272.0	59.8	6.8
50	0.7	4.3	33.5	111.9	334.9	654.3	825.8	746.9	479.4	164.7	23.7	1.2
55	0.1	0.8	11.3	50.5	214.4	506.2	670.9	592.1	340.9	85.1	6.0	0.1
60	0.0	0.0	2.7	17.0	119.0	362.5	516.2	438.4	217.6	34.5	1.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	42.9	58.9	151.8	236.6	389.9	602.5	727.9	678.4	489.2	293.6	125.1	45.2

Growing Degree Units (Accumulated Monthly)												
40	20	57	211	526	1151	2104	3240	4298	5072	5473	5593	5617
45	4	18	98	300	774	1578	2559	3461	4087	4359	4419	4425
50	1	5	38	150	485	1140	1965	2712	3192	3356	3380	3381
55	0	1	12	63	277	783	1454	2046	2387	2472	2478	2478
60	0	0	3	20	139	501	1017	1456	1673	1708	1709	1709
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	43	102	254	490	880	1483	2210	2889	3378	3672	3797	3842

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
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